

Converting Colors

CIELCh(64, 48.765, 55.232)

Have a look what the booklet for
CIELCh(64, 48.765, 55.232) contains.

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Color

CIELCh(64, 48.682, 54.832)

Conversions

Conversions Part 1

Format	Color
Hex	DB8655
RGB	219, 134, 85
RGB Percent	86%, 53%, 33%
CMY	0.1408, 0.4742, 0.6664
CMYK	0.00, 0.39, 0.61, 0.14
HSL	22°, 65%, 60%
HSV	22°, 61%, 86%
XYZ	39.4177, 32.8017, 12.8630
YIQ	153.8290, 66.3890, 2.7810

Conversions

Conversions Part 2

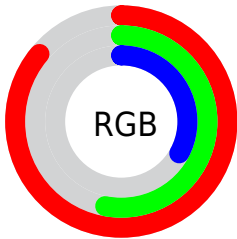
Format	Color
R _Y B	219, 162, 85
Decimal	14386773
CIE Lab	64.00, 28.04, 39.80
CIE LCh	64, 48.682, 54.832
Yxy	32.8017, 0.4633, 0.3855
Android (android.graphics.Color)	4292576853 (0xFFDB8655)
YUV	153.8290, -33.9327, 57.1550
Hunter-Lab	57.2727, 22.6244, 26.7748

Details

The CIELCh color **64, 48.682, 54.832** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **66, 34.353, 250.998**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 40.047, 63.107**, and **44, 49.000, 54.598** is the 20% darker color. If you saturate the color by 10%, you get **61, 58.236, 54.196**, and if you desaturate by 10%, it is **68, 39.416, 55.483**.

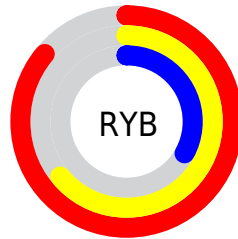
Distribution



Red (86%)

Green (53%)

Blue (33%)



Red (86%)

Yellow (64%)

Blue (33%)

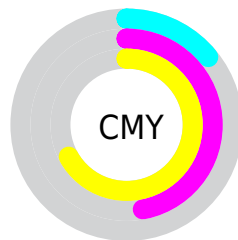


Cyan (0%)

Magenta (39%)

Yellow (61%)

Black (14%)



Cyan (14%)

Magenta (47%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 48.682, 54.832 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 48.682, 54.832 by changing the saturation by 10% instead.

64, 48.682, 54.832

64, 48.682, 54.832

100, 48.682,
54.832

54, 48.682, 54.832

84, 48.682, 54.832

44, 48.682, 54.832

94, 48.682, 54.832

34, 48.682, 54.832

24, 48.682, 54.832

14, 48.682, 54.832

4, 48.682, 54.832

0, 48.682, 54.832

64, 48.682, 54.832

64, 48.682, 54.832

61, 58.236, 54.196

68, 39.416, 55.483

58, 67.627, 53.421

71, 30.631, 56.188

55, 75.915, 52.178

75, 22.386, 56.959

53, 81.645, 50.553

79, 14.681, 57.782

83, 7.485, 58.627

87, 0.753, 58.936

91, 5.562, 240.610

95, 10.021,
229.032

98, 12.098,
198.698

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 48.682, 54.832



66, 34.353, 250.998

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 48.682, 54.832



64, 48.682, 104.832



64, 48.682, 234.832



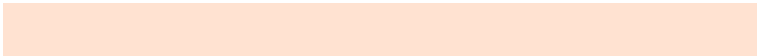
64, 48.682, 284.832

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 48.681, 54.836



92, 13.973, 58.037



57, 64.597, 341.921



48, 9.808, 57.788



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 48.681, 54.836



69, 67.940, 54.027



80, 58.440, 96.309



44, 3.785, 58.770



42, 68.192, 51.150



9, 18.983, 44.975

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66, 34.353, 250.998



72, 44.415, 255.501



49, 66.595, 294.099



44, 3.628, 240.738



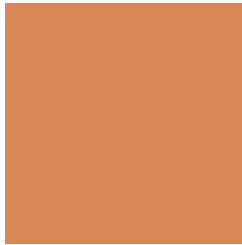
44, 41.093, 267.070



10, 14.761, 256.372

Previews

White Background



This preview shows how the CIELCh color 64, 48.682, 54.832 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 48.682, 54.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

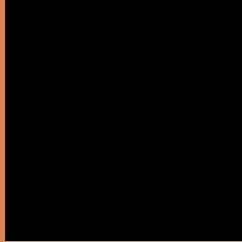
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 48.682, 54.832

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.682, 54.832.



This preview shows how white text looks on a background with the CIELCh color 64, 48.682, 54.832.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
64, 39.210, 16.708

Trichromacy



Original Color
64, 48.682, 54.832

Protanomaly
64, 37.042, 77.706

Deuteranomaly
64, 43.151, 68.866

Tritanomaly
64, 40.511, 32.639

Monochromacy



Original Color
64, 48.682, 54.832

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.464, 57.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.682, 54.832 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 134, 85)` looks like.

```
.text, #text, p{  
    color:rgb(219, 134, 85)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 134, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 134, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.682, 54.832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 134, 85) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(219, 134, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(219, 134, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 134, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 134, 85);  
box-shadow:4px 4px 4px 4px rgb(219, 134,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.682, 54.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 134, 85) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219,  
134, 85) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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